

5번

불자량 역수비 $X:Y=8:1$

질량 분

(가) ZW 16

(나) W 1

(다) W 2

$$\lambda = \frac{3}{18} \frac{M_Y}{M_Z} = 2$$

8번

$$Z = \frac{1}{\frac{1}{2}}$$

00/200
(가)

$\lambda = 200$

00/400
(나)

9+100/400
(다)

$$Z = \frac{10+100}{\frac{100}{\frac{9}{20}}}$$

9번

불자량 역수비 $X:Y=4:1$

질량 분

(가) ZW 8

(나) W 6

(다) JW

$$4:3 = \frac{P_X}{P_Y} : X : V_d, \lambda = \frac{9}{8}$$

$$\frac{M_X}{M_Z} = \frac{2}{5}$$

10번

$$13 = 9 \cdot 1 + 12 \cdot \frac{1}{5}$$

$$d = 12 \cdot \frac{2}{5}$$

13번

A W 8
 B ZW 18
 Tk $\frac{2}{3}V_L$
 (A) 26

A W 8
 B TW 36
 Tk $\frac{2}{3}V_L$
 (A) 44

$$\frac{1}{\frac{2}{3}} = \frac{3}{2} = \frac{2}{9}$$

$$\frac{M_A}{M_B} = \frac{9}{8} \quad / \quad \frac{x \cdot \frac{2}{3}}{\frac{2}{3}} = \frac{2x}{13}$$

$$x = \frac{2x}{13} \cdot \frac{10}{9}$$

14번

A d1 $x/100x$
 B d2 $4/96$
 1/24

$$\frac{330}{331} = \frac{1000-10x}{1000-12x}, \quad x=1$$

$$\frac{320}{241} = \frac{240}{241} \cdot \frac{1}{2}$$

18번

book
 book $P_c = 1 \text{ atm}$ $W_c = 3.9$

A + 3B → 2C
 $x=3$ 1
 1.5 0.5
 0 0.5 3

$$\frac{M_A}{M_B} = \frac{2}{\frac{1}{3}}$$

0.1 3.9 질량

19번

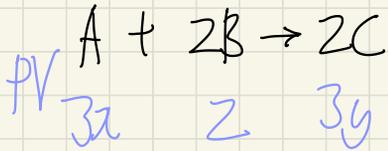
$$\frac{1}{2} \quad \frac{10}{4} \quad \frac{x}{10} \quad \frac{y}{4} \quad | \quad |$$

$$0 \quad \frac{9}{4} \quad | \quad | \quad 0 \quad \frac{9}{4} - \frac{x}{10} \quad | \frac{3}{10} \quad | \frac{2}{10}$$

$$\frac{1}{0} = \frac{\cancel{10} \frac{9}{4}}{\cancel{10} + \frac{x}{10}} \cdot \frac{\cancel{10} + 21}{10 + 21}, \quad x=0$$

$$\frac{p_1}{p_2} = \frac{6}{2} \cdot \frac{\frac{17}{4}}{\frac{18}{4}} = \frac{17}{8}$$

20번



$(3x-1) \quad 0 \quad (3y+2) \quad \frac{1}{4} \cdot p = 3(x+y)+1$

$x = \frac{p}{3} \quad y = \frac{2}{3}$

$x+y=2 \quad RT=2$

$3 \quad k \quad p \quad k=2a$

$3-\frac{k}{2} \quad 0 \quad p+k$

$1 \quad : \quad 2 \quad k=1 \quad a=\frac{1}{2}$